

INTEROFFICE MEMORANDUM

Date: October 07, 2005
 To: Arthur L. Williams, Director
 From: Arthur Chang, Technical Services Supervisor
 Re: September 2005 FRM PM_{2.5} Monitoring Update Report

This is a report of September 2005 Federal Reference Method PM_{2.5} monthly averages, annual averages, 3-year annual design values, and year-to-year comparison data summaries. (These data are subject to further quality assurance and are not final.)

September 2005

Table 1. PM_{2.5} Monthly Data Summary (µg/m³)

	Daily Maximum	Daily Minimum		Monthly
<u>Site Name</u>	<u>Conc. & Date</u>	<u>Conc. & Date</u>	<u>Run Time</u>	<u>Average</u>
Southwick	48.8 (09/09)	5.1 (09/29)	90.0 %	23.2
Wyandotte	48.9 (09/11)	6.1 (09/29)	93.3 %	23.3
Barret	46.4 (09/10)	13.6 (09/04)	100.0 %	24.4
Watson	39.1 (09/13)	17.0 (09/19)	100.0 %	25.6
Overall				23.4

The 24-hour average standard is 65 µg/m³.

Table 2. PM_{2.5} Design Values and Year-to-Date Annual Mean Comparisons

<u>Site Name</u>	<u>Annual Mean (ug/m³)</u>							Annual Design Values (1999-2001)	Annual Design Values (2000-2002)	Annual Design Values (2001-2003)	Annual Design Values (2002-2004)	Annual Design Values (2003-2005) ³
	2005 Year-To-Date	2004	2003	2002	2001	2000	1999					
Southwick/ <i>Firearms Trn</i> ¹	17.4	14.6	15.4	17.2	17.1/ 18.7 ¹	17.3	17.5	N/A	N/A	N/A	15.7 ²	~15.8 ²
Wyandotte	17.0	14.1	15.2	17.5	17.7	16.7	16.9	17.1 ²	17.3 ²	16.8 ²	15.6	~15.4
Barret	17.3	14.0	15.2	16.3	16.9	16.7	17.2	16.9	16.6	16.1	15.1	~15.5
Watson	17.2	12.7	15.1	15.3	16.3	16.8	15.2	16.1	16.1	15.5	14.3	~15.0

The annual average standard is 15.0 µg/m³.

¹ *Firearms Training* temporarily replaced Southwick Community Center monitoring during 2001, due to renovation. Twelve quarters of contiguous data are unavailable.

² Design value site for Louisville.

³ Year-to-date data for 2005.